
Sinus Jevi

Water Flow

Heaters

Flow heater units exist of an inner- and outer cylindrical thermal galvanised steel hull, with an exchangeable heating element and is intended to prevent cooling as a consequence of heat losses of storage tanks and supply- and return lines and is therefore part of a closed loop heating circuit. This type is suitable for mounting in a piping system.



SINUS
JEVI 



Liquids



Gasses



Solids



Spaces



Resistors

FLOW HEATER FOR CLOSED CIRCUIT TYPE BVU-D

EXECUTION

The flow heater unit exists of an inner- and outer cylindrical thermal galvanised steel hull, with an exchangeable heating element.

APPLICATION

The flow heater is intended to prevent cooling as a consequence of heat losses of storage tanks and supply- and return lines and is therefore part of a closed loop heating circuit. This type is suitable for mounting in a piping system.

EXAMPLES

Process heating

Cooling water pre-heating for Diesel engines.

- Available from 2 to 9 kW
- Executed with 3/4" BSP threaded sockets
- Including an adjustable thermostat 0 to 45°C or 30 to 85°C
- Additionally equipped with an integrated maximum temperature thermostat with manual reset; 76°C or 110°C
- No need for separate junction box
- Casing hull of thermic galvanised steel
- Connection housing of galvanised steel plating
- Heating elements Incoloy 825
- 1.1/2" BSP Brass gland
- IP55
- Maximum working pressure 6 bar
- Equipped with 2 mounting brackets

On request the BVU-D can be delivered in stainless steel, other tensions and power output



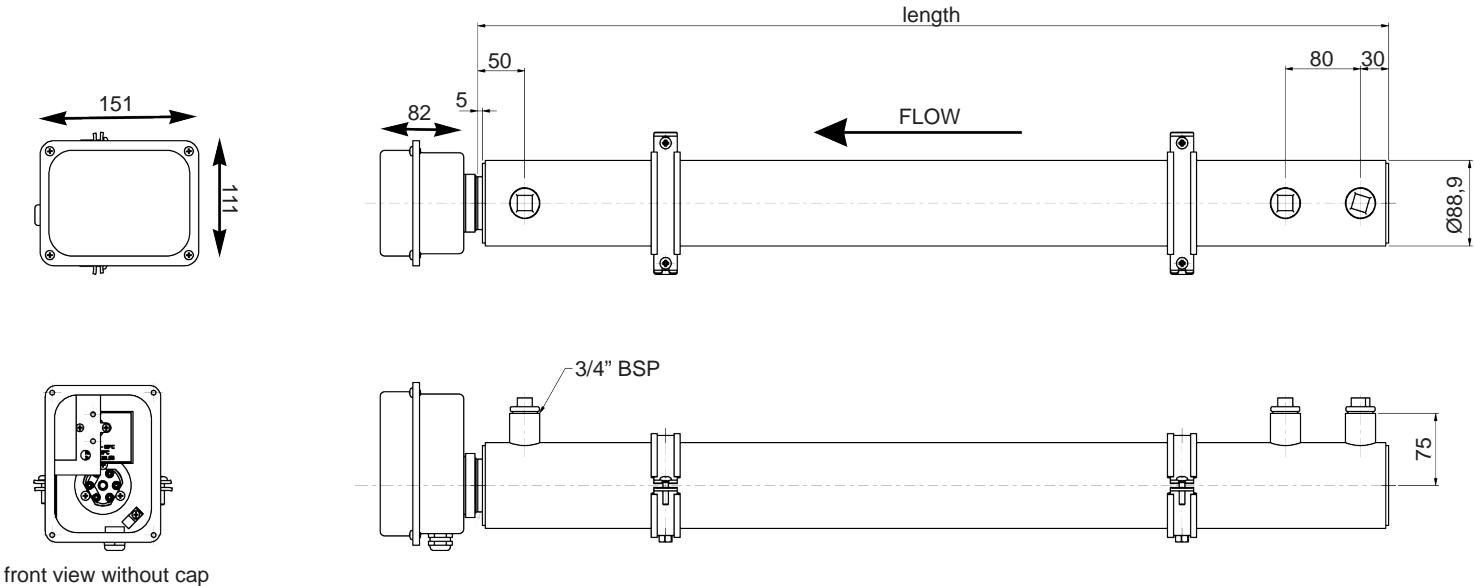
Flow Heaters type BVU-D

Temperature adjustability 30 - 85°C

Type	Output	Voltage	Length	Article number
BVU-D 2.0/2-H	2000 Watt	230 Volt	720 mm	630 200 235A
BVU-D 2.5/2-H	2500 Watt	230 Volt	720 mm	630 250 235A
BVU-D 2.5/3-H	2500 Watt	3 x 400 Volt	720 mm	630 250 405A
BVU-D 3.7/3-H	3750 Watt	3 x 400 Volt	720 mm	630 375 405A
BVU-D 4.5/3-H	4500 Watt	3 x 400 Volt	720 mm	630 450 405A
BVU-D 6.0/3-H	6000 Watt	3 x 400 Volt	720 mm	630 600 405A
BVU-D 7.5/3-H	7500 Watt	3 x 400 Volt	970 mm	630 750 405A
BVU-D 9.0/3-H	9000 Watt	3 x 400 Volt	970 mm	630 900 405A

Temperature adjustability 0 - 45°C

Type	Output	Voltage	Length	Article number
BVU-D 2.0/2-J	2000 Watt	230 Volt	720 mm	630 200 236A
BVU-D 2.5/2-J	2500 Watt	230 Volt	720 mm	630 250 236A
BVU-D 2.5/3-J	2500 Watt	3 x 400 Volt	720 mm	630 250 406A
BVU-D 3.7/3-J	3750 Watt	3 x 400 Volt	720 mm	630 375 406A
BVU-D 4.5/3-J	4500 Watt	3 x 400 Volt	720 mm	630 450 406A
BVU-D 6.0/3-J	6000 Watt	3 x 400 Volt	720 mm	630 600 406A
BVU-D 7.5/3-J	7500 Watt	3 x 400 Volt	970 mm	630 750 406A
BVU-D 9.0/3-J	9000 Watt	3 x 400 Volt	970 mm	630 900 406A



Flow Heaters type BVU-DD

EXECUTION

The Flow heater exists of a Stainless Steel hull with two exchangeable heating elements.

APPLICATION

The Flow heater is intended to prevent cooling as a consequence of heat losses of storage tanks and supply- and return lines and is therefore part of a closed loop heating circuit.

EXAMPLES

Process heating
Cooling water pre-heating for Diesel engines

- Deliverable up to 18 kW
- Executed with 3/4" BSP threaded sockets
- Adjustable thermostat 0 to 45°C (thermal safety 76°C) or 30 to 85°C (thermal safety 110°C)
- No need for separate junction box
- Flow hull of AISI 316
- Heating elements Incoloy 825
- Maximum working pressure 6 bar
- Equipped with 2 mounting brackets
- 1 1/2" BSP Brass gland
- IP55

This type is suitable for horizontal application

On request the BVU-DD can be delivered in other tensions and power output

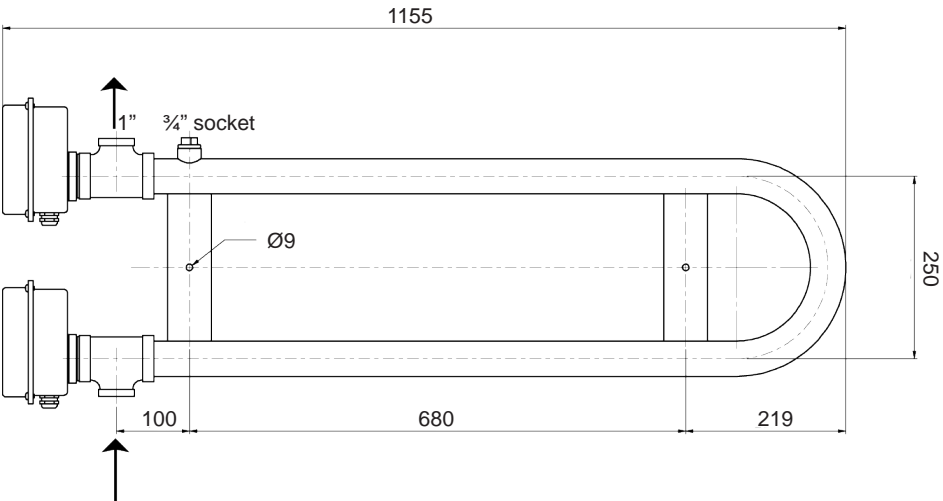
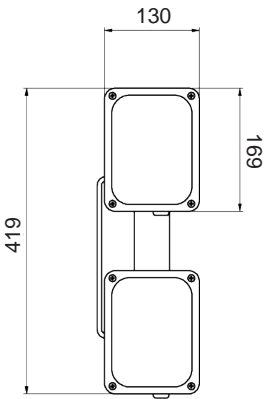


Temperature adjustability 30 - 85°C

Type	Output	Voltage	Article number
BVU-DD 12.0/3-H	12 kW	3 x 400 Volt	631 012 405A
BVU-DD 15.0/3-H	15 kW	3 x 400 Volt	631 015 405A
BVU-DD 18.0/3-H	18 kW	3 x 400 Volt	631 018 405A

Temperature adjustability 0 - 45°C

Type	Output	Voltage	Article number
BVU-DD 12.0/3-J	12 kW	3 x 400 Volt	631 012 406A
BVU-DD 15.0/3-J	15 kW	3 x 400 Volt	631 015 406A
BVU-DD 18.0/3-J	18 kW	3 x 400 Volt	631 018 406A



Flow Heaters type BLH

APPLICATION

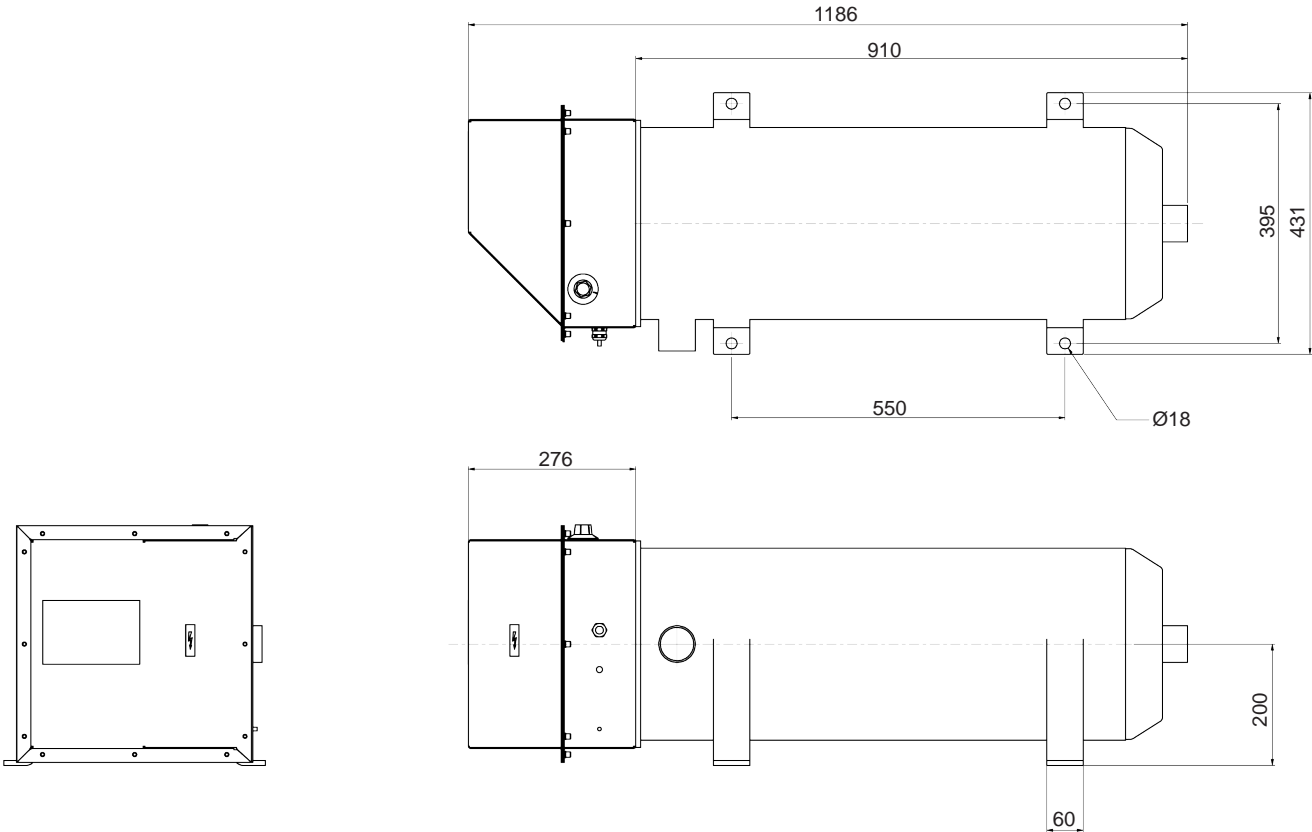
The electrical flow heater for central heating systems is to be applied for the heating of luxury yachts, controls buildings, secondary heating systems and frost protection installations. The device can easily be build in existing systems. The BLH is equipped with a complete temperature control and temperature safety. The pump switch and room thermostat are no integral part of this controls. The BLH has to be mounted to a wall, horizontally or vertically with the connection box facing down.

Mains Power supply	3x400 Volt
Controls circuit	230 Volt
Max. operating Pressure	2.5 bar
Water content	28 liter
Weight	47 kg
Connections	2" BSP (f)
Adjustable range	0 - 95°C
Material Flow hull	Thermally Galvanised
Flow hull executed with	Isolation sheet



List of standard types

Type	Output	Groups	Article number
BLH 18	18 kW	6 - 12 - 18 kW	632 180 400A
BLH 21	21 kW	7,5 - 15 - 21 kW	632 021 403A
BLH 24	24 kW	9 - 18 - 24 kW	632 024 403A
BLH 27	27 kW	9 - 18 - 27 kW	632 027 403A
BLH 30	30 kW	12 - 21 - 30 kW	632 030 403A
BLH 36	36 kW	12 - 24 - 36 kW	632 036 403A
BLH 40	40,5 kW	13,5 - 27 - 40,5 kW	632 040 403A
BLH 45	45 kW	15 - 30 - 45 kW	632 045 403A
BLH 54	54 kW	18 - 36 - 54 kW	632 054 403A





Sinus is one of the pioneers in the field of explosion proof heating equipment, today we are still operating at the forefront. We manufacture according to ATEX as well as IECEx and EAC directives.

For the production of Ex-proof equipment a PQAN (Product Quality Assurance Notification) is issued by TUV-Nord. Our ISO-9001 and ISO-14001 systems are also monitored by this organisation.

NIBE